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Determination of catalytic effect of traces of substances. P. G. Popov. <i>Trans. Inst. Chem. Khar'kov Univ.</i> 4, No. 18, 145-56 (1958). MnSO_4 and $\text{K}_2\text{S}_2\text{O}_8$ yield purple KMnO_4 soln. in the presence, and brown MnO_2 suspen- sion in the absence, of traces of Ag. R. C. P. A.																																																			
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COMMON ELEMENTS COMMON MATERIALS 12C A-1 Ammonium persulfate reaction for manganese. P. G. Forov (J. Appl. Chem. Russ., 1939, 12, 1738-1739).—Under certain conditions $S_2O_8^{2-}$ oxidizes Mn^{II} to Mn^{VII} in absence of Ag^+; this reaction cannot therefore serve as a test for Ag^+ except when a blank test is negative. R. T. COMMON MATERIALS																			
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<i>ca</i> <i>7</i> Detection of silver with ammonium persulfate and manganese sulfate. P. G. Popov; J. Gen. Chem. (U. S. S. R.) 10, 1442(1940); cf. C. A. 34, 7207. The sensitivity of the reaction for Ag (as proposed by Deniges) with $(\text{NH}_4)_2\text{S}_2\text{O}_8$ in the presence of MnSO_4 can be increased considerably by more accurate measurement of the amts. of H_2SO_4 and MnSO_4. Pour into a 250-ml. measuring flask 10 ml. of a MnSO_4 soln. (4 g./l.) and add 125 ml. of 2 N H_2SO_4 soln. and bring the vol. to 250 ml. Add to one test tube 5 ml. of the sample and 5 ml. of the MnSO_4 soln. In a control test tube add 5 ml. of the same MnSO_4 soln. to 5 ml. of distd. water. Keep both test tubes in a beaker with boiling water for 2-3 min. and add 0.1 g. of $(\text{NH}_4)_2\text{S}_2\text{O}_8$. After 3-4 min. the contents of the test tube contg. Ag salts are pink-violet and those of the control test tube remain brown. The pink-violet color appears also when 0.0025 mg. of Mn is present in 10 ml. of the soln. Thus, the sensitivity of the reaction is increased 8-fold. Two references. W. R. Henn <i>Khar'kov Inst. for Communal Construction Engineers</i> ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																											
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History of the origin of physical chemistry. P. G. <i>Popov. Priroda</i> 29, No. 10, 90-1(1940). E. J. C.										2									
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✓ Arsenic molybdic acid as reagent for detection of tin.
P. G. Popov. *Sbornik Nauch. Trudov Khim'kov. Inst.*
Zhurnal. Stroitel'stva 1954, No. 5, 160-2;
Referat. Zhur., Khim. 1955, No. 3942. — To 150 g. of
 $(\text{NH}_4)_2\text{MoO}_4$ in 1 l. H_2O add 1 l. HNO_3 (sp. gr. 1.2) and
combine it in 2:5 ratio with a soln. of 5.36 g. per l. Na-
 $\text{HAsO}_4 \cdot 12\text{H}_2\text{O}$, and boil the mixt. To test for Sn^{++} place
a drop of the unknown in a porcelain crucible and add a drop
of the reagent. In the presence of Sn a blue to light-blue
color will appear. If the concn. of Sn is small add a drop of
a satd. NaOAc soln. before adding the reagent. The
detectable min. of Sn is 0.4 γ and the limiting concn. is
1:125,000. M. Hosen

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POPOV, P.G.; SAMOYLOVICH, F.A.

Classification of environmental factors and the mechanism of their effect on man; criticism of P.G.Mezernitskii's system. Vop.kur. fizioter. i lech. fiz.kul't. 21 no.2:21-26 Ap-Je '56. (MIRA 9:9)

1. Iz kafedr fiziki (zav. - dotsent P.G.Popov) i gosital'noy terapii (zav. - prof. K.A.Patsevich) Kubanskogo meditsinskogo instituta (dir. prof. V.K.Suprunov)
(PHYSIOLOGY)
(MAN--INFLUENCE OF ENVIRONMENT)

BOYFE, I.M.; POPOV, F.G.; YAKOVLEV, S.P.

Effect of a longitudinal high-frequency current on the stability
of a columnar quasi-constant discharge. Zhur. tekhn. fiz. 35
no.2:259-265 F '65. (MIRA 18:4)

L 33164-65 EPA(w)-2/EWT(1)/EEC(t)/EPA(sp)-2/I/EWA(m)-2 Pi-4/Po-4/Pz-6/Pab-10
ACCESSION NR: AP5005226 IJP(c) AT S/0057/65/035/002/0259/0265

AUTHOR: Royfe, I.M.; Popov, P.G.; Yakovlev, S.P.

TITLE: Effect of a longitudinal high frequency current on the stability of a quasisteady filamentary discharge. 67
61
B

SOURCE: Zhurnal tekhnicheskoy fiziki, v.35, no.2, 1965, 259-265

TOPIC TAGS: ²¹plasma stability, gas discharge, high frequency current, magnetic field

ABSTRACT: The stabilizing effect of a high-frequency current on a high-current filamentary discharge in hydrogen or argon was investigated. The discharge took place in a glass tube 25 cm long and 4 or 8 cm in diameter. The flat portion of the current pulse, 300 or 500 microsec, was considerably longer than the rise time. Currents up to 10 kA were investigated and high-frequency (3 or 20 Mc/sec) currents up to 6 kA were employed. The discharge took place in a longitudinal magnetic field that could be varied from 0 to 3 kOe. The stability of the discharge was observed by means of a Rogovskiy belt, magnetic probes and high-speed photography. In the absence of the high-frequency current the argon discharge was stable at currents below 5 kA, and the hydrogen discharge at currents below 2 kA. At higher currents

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ACCESSION NR: AP5005226

under some conditions of pressure and magnetic field the high-frequency current was observed to have a stabilizing effect. Specifically, in the hydrogen discharge in the 4 cm tube no stabilizing effect was observed at pressures below 2×10^{-2} mm Hg. At pressures from 2×10^{-4} to 5×10^{-4} mm Hg the high-frequency current exerted a stabilizing effect provided a magnetic field of the correct magnitude was present. At higher pressures the stabilizing effect was present even in the absence of a magnetic field. It is suggested that the stabilizing action may be due to the periodic fulfillment of stability conditions in high-frequency resonance radial vibrations of the filament, but it is concluded that further experiments are required to verify this. "The authors consider it necessary to mention that the work with the 4 cm diameter tubes was performed in collaboration with Yu.G.Bobrovyy, who also constructed a portion of the apparatus related to this part of the work." Orig. art.has: 5 figures.

ASSOCIATION: none

SUBMITTED: 08Jan64

ENCL: 00

SUB CODE: ME,EM

NR REF SOV: 001

OTHER: 000

Card 2/2

PHASE I BOOK EXPLOITATION

SOV/6358

Andrianov, D. P., M. Z. Gendel'man, A. V. Glichev, S. I. Didenko,
A. N. Zhuravlev, K. D. Zakharov, S. V. Moiseyev, L. M. Ol'shevets,
N. A. Orlov, P. G. Popov, S. A. Sarkisyan, D. E. Starik, A. N.
Ter-Markaryan, V. I. Tikhomirov, V. V. Chesnokov, Ye. I. Sherman,
and L. M. El'bert.

Organizatsiya, planirovaniye i ekonomika aviatsionnogo proizvodstva
(Organization, Planning, and Economics of the Aircraft Industry)
Moscow, Oborongiz, 1963. 694 p. Errata slip inserted. 5000 copies
printed.

Ed. (Title page): L. M. Ol'shevets, Candidate of Technical Sciences,
Docent and N. A. Orlov, Professor; Reviewer: A. A. Lapshin, Docent;
Ed.: V. F. Novatskiy, Candidate of Economical Sciences; Ed. of
Publishing House: F. G. Tubyanskaya; Tech. Ed.: I. I. Karpov;
Managing Ed.: L. A. Gil'berg.

PURPOSE: This textbook is intended for students of aircraft engineering
schools of higher education. It may also be useful to engineering
personnel of aircraft industry.

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3

Organization, Planning (Cont.)

SOV/6558

COVERAGE: The book presents a comprehensive review of problems connected with economics of the aircraft industry and with the organization and planning of aircraft production. Concrete problems of organization of work at aircraft enterprises are analyzed as they apply to various types of aircraft plants, e.g., aircraft construction plants, engine manufacturing plants, instrument-making plants. Specific features of the organization and planning of production in industrial and experimental plants are outlined. The Introduction and Ch. I, II, and XI were written by Professor N. A. Orlov; Ch. III by Docent S. V. Moiseyev, Cand. of Techn. Sciences; Ch. IV and XIX by Docent S. A. Sarkisyan, Cand. of Econ. Sciences; Ch. V and X by Docent D. E. Starik, Cand. of Techn. Sciences; Ch. VI by Docent P. G. Popov; Ch. VII by Docents Ye. I. Sherman, Cand. of Econ. Sciences, and K. D. Zakharov, Cand. of Techn. Sciences; Ch. VIII by Docent M. Z. Gendel'man, Cand. of Techn. Sciences, Docent A. V. Glichev, Cand. of Economic Sciences, and Professor A. N. Ter-Markaryan, Cand. of Techn. Sciences; Ch. IX by Professor A. N. Zhuravlev, Cand. of Tech. Sciences; Ch. XII and XIII by Professor D. P. Andrianov, Doctor of Econ. Sciences; Ch. XIV by Professor V. I. Tikhomirov, Cand. of

Card 2/16

3

Organization, Planning (Cont.)

SOV/6558

Techn. Sciences; Ch. XV, XVI, XVII, XXII by Docent L. M. Ol'shevets, Cand. of Techn. Sciences; Ch. XVIII and XXI by Docent S. I. Didenko, Cand. of Econ. Sciences; Ch. XX and XXIV by Docent L. M. El'bert, Cand. of Econ. Sciences; Ch. XXIII by Docent V. V. Chesnokov, Cand. of Econ. Sciences. L. M. Ol'shevets and N. A. Orlov supervised the group of authors and completed the scientific editing. Each part of the book is accompanied by references, all Soviet, and in addition there are 9 Soviet references relating to the whole book.

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3

POPOV, P.G.

~~POPOV, P.G.~~

New unit for measuring the hardness of water. Khim. v shkole 10
no.1:21-23 Ja-F '55. (MIRA 8:4)
(Water—Composition)

Рогов, Р.С.

KLENOVA, M.V. prof.; SOLOV'YEV, V.F.; ARTYUNOVA, N.M.; ROGOV, P.G.; YASTREBOVA, L.A.;
BATURIN, V.P.; KOPILOVA, Ye.K.; TEODOROVICH, G.I., redaktor; TOPCHIEV,
A.V., akademik, redaktor; MIRONOV, S.I., akademik, redaktor; ALIYEV,
M.M., redaktor; AKHMEDOV, G.A., redaktor; VARENTSOV, M.I., redaktor;
DMITRIYEV, Ye.Ya., redaktor; DOLGOPOLOV, N.N., redaktor; IL'IN, A.A.,
redaktor; MEKHETIYEV, Sh.F., redaktor; MOZESON, D.L., redaktor; PUSTO-
VALOV, L.V., redaktor; FOMIN, A.V., redaktor; NOSOV, G.I., redaktor;
KISELEVA, A.A., tekhnicheskii redaktor

[Recent sediments of the Caspian Sea] Sovremennye osadki Kaspiiskogo
moria; Moskva, Izd-vo Akademii nauk SSSR, 1956. 302 p. (MIRA 9:3)

1. Deystvitel'nyy chlen AN AzSSR (for Aliyev) 2. Chlen-korrespondent
AN SSSR. (for Varentsov, Pustovalov) 3. Nachal'nik morskogo otryada
Azerbaydzhanskoy neftyanoy ekspeditsii SOPS AN SSSR (for Klenova)
(Caspian Sea)

POPOV, Pavel Ivanovich; REZNIKOVSKIY, P.T., red.; MURASHOVA, N.Ya., tekhn.
red.

[Popular manual of practical astronomy] Obshchedostupnaia prakticheskaia astronomiia. Izd. 4, izpr. Moskva, Gos. izd-vo fiziko-matematicheskoi lit-ry, 1958. 159 p. (MIRA 11:6)
(Astronomy, Spherical and practical)

AUTHOR: Popov, P. I., Professor, Moscow SOV-47-58-6-9/26
TITLE: Astronomical Observations from January to June 1959 (Astronomicheskiye nablyudeniya v yanvare - iyune 1959 goda)
PERIODICAL: Fizika v shkole, 1958, Nr 6, pp 50 - 53 (USSR)
ABSTRACT: The author gives a description of the winter and spring sky calling attention to those constellation of interest to students. He indicates the time when they can be studied best, and mentions the partial lunar eclipse on 24 March 1959, the annular solar eclipse on 8th April 1959. The article contains 2 charts and 2 tables.

1. Astronomy--USSR

Card 1/1

POPOV, P.I., prof.; VORONTSOV-VIL'YAMINOV, B.A., prof., red.; PONOMAREVA,
A.A., tekhn. red.

[Programs of pedagogical institutes; astronomy for physics and
mathematics faculties; major: mathematics] Programmy pedagogiche-
skikh institutov; astronomiya dlia fiziko-matematicheskikh fakul'te-
tov. Spetsial'nost' - matematika. [Moskva] Uchpedgiz, 1955. 6 p.
(MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysshikh i
srednikh pedagogicheskikh uchebnykh zavedeniy.
: (Astronomy—Study and teaching)

POPOV, P.I., prof.; VORONTSOV-VEL'YAMINOV, B.A., red.; SMIRNOVA, M.I.,
tekhn. red.

[Programs of pedagogical institutes; astronomy for geography
faculties] Programmy pedagogicheskikh institutov; astronomiya
dlya geograficheskikh fakul'tetov. [Moskva] Uchpedgiz, 1956.
6 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysshikh i
srednikh pedagogicheskikh uchebnykh zavedeniy.
(Astronomy—Study and teaching)

POPOV, P.I., prof. (Moskva).

Astronomical observations during the winter and spring months of
1958. Fiz. v shkole 18 no.2:51-55 Mr-Apr '58. (MIRA 11:2)
(Astronomy--Observations)

POPOV, P.I.; PERYSHKIN, A.V. (Moskva).

Development of higher pedagogical training in the R.S.F.S.R.

Priz. v shkole 17 no.6:71-79 N-D '57.

(MIRA 10:12)

(Teachers, Training of)

AUTHOR: Popov, P.I., Professor (Moscow) 47-58-2-9/30
TITLE: Astronomical Observations in the Winter and Spring Months of
1958 (Astronomicheskiye nablyudeniya v zimne-vesenniye
mesyatsy 1958 g)
PERIODICAL: Fizika v Shkole, 1958, Nr 2, pp 51-55 (USSR)
ABSTRACT: The author describes the constellations, planets and stars
that could be seen in the sky during the winter and spring
months of 1958. There are 2 charts and 2 tables.
AVAILABLE: Library of Congress
Card 1/1 1. Astronomy-USSR

AUTHORS: Popov, P.I., and Peryshkin, A.V. (Moscow) 47-6-28/37

TITLE: The Development of Higher Pedagogical Education in the RSFSR
(Razvitiye vysshego pedagogicheskogo obrazovaniya v RSFSR)

PERIODICAL: Fizika v Shkole, 1957, # 6, pp 71 - 79 (USSR)

ABSTRACT: The article describes the conditions and poor facilities existing in the pedagogical training of teachers in pre-revolutionary Russia. The authors describe the introduction of a new system in the training of teachers for Soviet schools which began at an All-Russian Conference of school workers in August 1918, and then mention the various stages of development. During WW II the number of teachers decreased from 670,800 in 1940/41 to 429,700 in 1942/43. Towards the end of the war the network of pedagogical educational institutions was re-established, however, the general impetus in culture, education, and technical progress demanded more efficient training, which the pedagogical institutes could not provide. For many years after the war there was a shortage of students at the physico-mathematical faculties of the pedagogical institutes. The number of male students decreased sharply, and even in the departments of physics, until recently, the number of young men was only 7 - 10 per cent of the entire number.

Card 1/ 2

The Development of Higher Pedagogical Education in the RSFSR 47-6-28/37

The article further deals with the overtaxing of the school program stating that the course in physics is complicated and difficult. Textbooks, both for the general course in physics and for theoretical physics, are needed badly. The works of Professor Putilov, Professor Shpol'skiy and the Academician Tamm are unsuitable for this purpose. In 54 pedagogical institutes of the RSFSR (of a total of 110) a new subject "Physics and the Principles of Production", was taken up in the physico-mathematical faculties. It provides for 310 hours of practical training at plants and factories. About 3,426 hours or 78% of the total number of hours provided for mathematics, physics and technics, were assigned for this new speciality. The 5-year teaching plan provides for 27 instructional courses, physics being the leading one.

In order to prepare the students for their future educational duties, they work as assistant teachers at schools while visiting the institute. In conclusion the authors point out the unsatisfactory conditions prevailing at the pedagogical institutes in the outer districts of the country in regard to teachers for the physico-technical courses.

AVAILABLE:
Card 2/2

Library of Congress

1. POPOV, P. I.
2. USSR (600)
4. Physics and Mathematics
7. Course in General Astronomy, S. N. Blazhko. (Moscow-Leningrad, State Technical Press, 1947). Reviewed by P. I. Popov, Sov. Kniga, No. 6, 1948.
9. ~~Report~~ Report U-3081, 16 Jan. 1953, Unclassified.

Popov, P.I.

AUTHOR: Popov, P.I., Professor (Moscow) 47-4-8/20

TITLE: Astronomical Observations in September - December 1957 (Astronomicheskiye nablyudeniya v sentyabre - dekabre 1957 g.)

PERIODICAL: Fizika v shkole, 1957, No 4, pp 54-56 (USSR)

ABSTRACT: The author points out that the teaching of astronomy in the schools is also polytechnical instruction, in so far as the students become acquainted with the practical application of this science in different fields of national economy, learn to use various appliances and to make observations. He gives a general description of the firmament, the various star constellations, their names, the origin of these names, where they are located and at what time of the year they can best be seen, also what eclipses of the sun and moon will take place during the second half of 1957. The article mentions the name of the Soviet astronomer V.A. Ambartsumyan who discovered within the constellation of Perseus one of the first new groups of stars which he called "star associations". According to V.A. Ambartsumyan the association consists of "new" stars which have formed only recently.

AVAILABLE: Library of Congress
Card 1/1

1. POPOV, P. I.; BAYEV, K. L.; VORONTSOB-VEL'YAMINOV, B. A.; and RUNITSKIY, R. V.
2. USSR (600)
4. Physics and Mathematics
7. Astronomy, Popov, P. I., Bayev, K. L., Vorontsob-Vel'yaminov, B. A., and Runitskiy, R. V. (Second edition revised, Moscow, Education and Pedagogic Press, 1949). Reviewed by Dobronravich, P. P., Sov. Kniga, No. 5, 1950.
9.  Report U-3081, 16 Jan 1953, Unclassified.

1. POPOV, P. I.
2. USSR (600)
4. Physics and Mathematics
7. Popular Practical Astronomy, P. I. Popov. (Second edition revised, Moscow-Leningrad, State Technical Press, 1950). Reviewed by V. I. Pryanishnikov, Sov. Kniga, No. 5, 1951.

9. [REDACTED] Report U-3081, 16 Jan. 1953. Unclassified.

POPOV, P.I., professor; BUGOSLAVSKAYA, N.Ya.

International Geophysical Year (July 1, 1957 - December 31, 1958).
Fiz. v shkole 17 no.3:33-36 My-Je '57. (MLBA 10:6)

1. Gosudarstvennyy pedagogicheskiy institut imeni V.I. Lenina,
g. Moskva.

(Astronomy--Observations)
(International Geophysical Year, 1957-1958)

POPOV, P.I., professor (g. Moskva).

Results of observations of Mars during the favorable opposition
in 1956. Fiz. v shkole 17 no.3:14-16 My-Je '57. (MLRA 1C:6)
(Mars (Planet)--Opposition, 1956)

POPOV, P.I., professor, (Moskva)

Astronomical observations from January to June, 1957.
Fiz. v shkole 17 no.1:57-59 Ja-F '57.

(MLRA 10:2)

(Astronomy--Observations)

POPOV, P.I., professor (Moskva)

The new astrophysical observatory of the Academy of Sciences of the
U.S.S.R. in the Crimea. Fiz.v shkole 16 no.1:14-17 Ja-Fe '56.
(MLRA 9:3)

(Simeiz--Astronomical observatories)

POPOV, P.I., professor (Moskva)

Astronomical observations from January to June, 1956. Fiz.v
shkole 16 no.1:46-50 Ja-Fe '56. (MLRA 9:3)
(Astronomy--Observations)

POPOV, P.I., professor (g. Moskva)

~~POPOV, P.I., professor (g. Moskva)~~
Gavriil Adrianovich Tikhov, Fiz.v shkole 15 no.3:90-91

My-Je '55.

(MLR 8:6)

(Tikhov, Gavriil Adrianovich, 1875--)

POPOV, P. I.

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612
.P8
1953

Astronomiya (Astronomy, By) P. I. Popov (1 Dr.) izd.-3., vnov' parer. Moskva,
Uchpedgiz, 1953.
543 p. illus., diags., tables, fold. astronomical chart.

POPOV, P.I., professor (g.Moskva)

Astronomical phenomena and observations from January to June, 1955.
Fiz. v shkole 15 no.1:39-42 Ja-F '55. (MLRA 8:2)
(Astronomy--Observations)

POPOV, P. I. professor (g. Moskva).

Observation of the full solar eclipse in the Soviet Union on June
30, 1954. Fiz. v shkole 15 no.1:24-27 Ja-F '55. (MLRA 8:2)
(Eclipses, Solar--1954)

BOPOV, P. I.

Astronomiia (Astronomy) Izd. 3-e. Moskva, uchnpedgiz, 1953. 544 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 6, Sep. 1954

POPOV, P. I.

POPOV, P. I.; RUFOVA, V. A., redaktor; NEGRIMOVSKAYA, R. A., tekhnicheskii redaktor.

[Popular manual of practical astronomy] Obshchedostupnaia prakticheskaiia astronomiia. Izd. 3-e, ispr. i dop. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1953. 171 p. (MIRA 8:1)
(Astronomy, Spherical and practical)

POPOV P.I.

BAKULIN, P.I., redaktor; DUBROVSKIY, K.K.; MASEVICH, A.G.; PARENAGO, P.P.;
POPOV, P.I.

[Astronomical calendar. Yearbook. Section on variables. 1954]
Astronomicheskii kalendar'. Ezhegodnik. Peremennaya chast'. 1954.
Red. kollegiia: P.I.Bakulin, K.K.Dubrovskii, A.G.Masevich, P.P.
Parenago, P.I.Popov. Moskva, Gos. izd-vo tekhniko-teoreticheskoi
lit-ry, 1953. 207 p. (MLRA 7:7)
(Astronomy--Yearbooks)

POPOV, P. I.

23742 ASTRONOMICHESKIYE YAVLENIYA V AVGUSTE-DEKABRE 1949 GODA I
IKH NABLYUDENIYE V SHKOLE. FIZIKA V SHKOLE, 1949, NO. 3,
S. 52-56.

SO: LETOPIS' NO. 31, 1949

POPOV, P.I., professor (Moscow)

Observations before the beginning of the astronomy course in the
10th class. Fiz. v shkole 14 no.3:34-36 My-Je '54. (MLRA 7:7)
(Astronomy--Study and teaching)

POPOV, P.I., professor (Moscow)

Astronomical observations between September and December, 1954.
Fiz. v shkole 14 no.4:57-59 J1-Ag '54. (MLRA 7:7)
(Astronomy--Observations)

POPOV, P.I.

Obshchedostupnaia prakticheskaia astronomiia (Easy practical astronomy). Izd. 3-e, ispr. i dop. Moskva, Gostekhizdat, 1953. 171 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

POPOV P.I.

POPOV, P.I.; Bayev, K.L. [deceased]; VORONTSOV-VEL'YAMINOV, B.A.;
~~KUNITSKIY~~, R.V.; SHORYGIN, S.A., redaktor; TSIRUL'NITSKIY, N.P.,
tekhnicheskiy redaktor

[Astronomy; textbook for physics-mathematics faculties] Astronomiia.
Uchebnik dlia fiziko-matematicheskikh fakul'tetov pedagogicheskikh
institutov. Pod obshchei red. P.I.Popova. Izd. 3-e, vnov' perer.
Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia
RSFSR, 1953. 543 p. (MLRA 7:9)
(Astronomy)

POPOV, P. I.

BAKULIN, P.I., redaktor; DUBROVSKIY, K.K.; MASEVICH, A.G.; PARNAGO, P.P.;
POPOV, P.I.

[Astronomical calendar. Yearbook. Section on variables. 1954]
Astronomicheskii kalendar'. Ezhegodnik. Peremennaya chast'. 1954.
Red. kollegiya P.I.Bakulin, K.K.Dubrovskii, A.G.Masevich, P.P.Parnago, P.I.Popov. Moskva, Gos. izd-vo tekhniko-teoreticheskoi lit-ry, 1953. 207 p.
(Astronomy--Yearbooks) (MLRA 7:7)

POPOV, P.I., professor (Moskva)

Astronomical observations from January to May, 1954. Fiz. y shkola 14
no. 1:54-56 Ja-F '54. (MLBA 7:1)

(Astronomy--Observations)

POPOV, P.I.

All-Union conference on problems of stellar cosmogony. Biul.VAGO
no.13:39-41 '53. (MIRA 7:3)
(Stars)

KUNITSKIY, professor [reviewer]; POPOV, P.I. [author].

"General practical astronomy." P.I. Popov. Reviewed by Kunitskii. Fiz. y
shkole 7 no.2:90 '47. (MIRA 6:11)

(Astronomy--Popular works)

POPOV, P.I., professor (Moskva)

Total solar eclipse on June 30, 1954. Fis.v shkoie 14 no.1:27-31 Ja-7
'54. (MIRA 711)

(Eclipses, Solar--1954)

POPOV P. I.

P. I. Popov

A Popular Practical Text Book on Astronomy (2nd Revised edition)

State Printing House of Technical and Theoretical Literature
1950, 164 pages

From: Monthly list of Russian Accessions
November 1950, Vol. 3, No. 8, p. 11

RECEV, P. I., Prof.

Astronomy - Observations

Astronomical observations during November and December of 1952. Fiz. v shkole No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress November 1952 UNCLASSIFIED

1910X, P. 1., Prof.

Stars

All-Union conference on problems of astral cosmogony. Fiz. v shkole. no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified

1. PROF. P. I. POPOV
2. USSR (600)
4. Astronomy - Study and Teaching
7. Observation of the sky from January to May, 1953. Fiz. v. shkole no. 1. 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

POPOV, P.I., professor (Moscow).

Astronomical phenomena and observation between Sept. and Dec. 1947. Fiz.v
shkole 7 no.4:57-59 '53. (MLRA 6:11)

(Astronomy--Observations)

POPOV, P.I., professor (Moscow).

Astronomical phenomena in September - December 1953. Fiz. v shkole 13 no.
4:51-55 J1-Ag '53. (MLRA 6:6)

(Astronomy--Observations)

ИОИОВ, Павел Иванович

General practical astronomy. Izd. 2., perer. Moskva, Gos. Izd-vo tekhniko-teoret. lit-ry, 1950. 164 p. maps. (50-57739)

QB145.F6 1950

1. Astronomy, Spherical and practical.

POPOV, Pavel Ivanovich.

General practical astronomy. Izd. 3., ispr. i dop. Moskva, Vos. izd-v o tekhniko-teoret. lit-ry, 1953. 1/1 p. maps. (55-30677)

1. Astronomy, Spherical and practical.

POPOV, Pavel Ivanovich; BAYEV, Konstantin L'vovich, prof. [deceased];
VORONTSOV-VEL'YAMINOV, Boris Aleksandrovich; KUNITSKIY,
Bostislav Vladimirovich; SHORYGIN, S.A., red.; ZAYTSEVA, K.P.,
red.kart; TSIRUL'NITSKIY, N.P., tekhn.red.

[Astronomy; textbook for physical and mathematical departments
of pedagogical institutes] Astronomiia; uchebnik dlia fiziko-
matematicheskikh fakul'tetov. Pod obshchei red. P.I.Popova.
Izd.4., perer. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.
RSFSR, 1958. 461 p. (MIRA 12:3)

(Astronomy)

POPOV, P.I.; SHISHAKOV, V.A.

Konstantin L'vovich Baev; obituary. Biul. VAGO no.15:52-55 '54.

(Baev, Konstantin L'vovich, 1881-1953)

(MIRA 8:4)

BUGOSLAVSKAYA, N.Ya., dotsent; POPOV, P.I., professor, redaktor

[Lectures for a general course in astronomy, delivered in course 1 of the Department of Geography (abstracts)] Lektsii po boshchemu kursu astronomii chitanye na 1-m kurse geograficheskogo fakul'teta (konspekty). Pod obshchei red. P.I.Popova! Moskva, Izd. MGPI im. V.I.Lenina, 1956. 115 p. (MIRA 9:12)
(Astronomy--Abstracts)

POPOV, P.I., professor (Moskva)

Astronomical observations (from September to December, 1956)
Fiz.v shkole 16 no.4:54-58 J1-Ag '56. (MLRA 9:9)
(Astronomy--Observations)

POPOV, P.I., prof. (Moscow)

Astronomical observations in September--December 1958. Fiz. y
shkole 18 no.4:49-51 JI-Ag '58. (MIRA 11:7)
(Astronomy--Observations)

NABOKOV, M.Ye.; POPOV, P.I.

Sergei Nikolaevich Blazhko. [Obituary] Fiz.v shkole 16 no.3:95-96
My-Je '56. (MIRA 9:7)
(Blazhko, Sergei Nikolaevich, 1870-1956)

10/2/71

BELOGORSKAYA, N.I.; GALININ, D.D.; GORYACHKIN, Ye.N.; GLAZYRIN, A.I.; DUBOV, A.G.;
YEVROPIN, Yu.P.; YEMOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KRAUKLIS,
V.V.; LAVROVSKIY, K.F.; MENSHTIN, N.F.; MINCHENKOV, Ye.Ya.; NABOKOV, M.Ye.;
PERYSKIN, A.V.; POPOV, P.I.; POKROVSKIY, A.A.; REZNIKOV, L.I.; SAKHAROV,
D.I.; SOKOLOV, I.I.; SOKOLOVA, Ye.N.; EVENCHIK, E.Ye.; YUS'KOVICH, V.F.

Sergei Nikolaevich Zharkov. [Obituary]. Fiz.v shkole 16 no.3:94-95 My-Je '56.
(Zharkev, Sergei Nikolaevich, 1883-1956) (MIRA 9:7)

YEVROPIN, G.P.

YEVROPIN, G.P.; POPOV, P.I., professor.

Correspondence with readers. Fiz. v shkole 15 no.1:71-72 Ja-F '55.
(MLRA 8:2)

1. Metodist-konsul'tant Glavnogo upravleniya shkol Ministerstva
prosveshcheniya RSFSR (for Yevropin).
(Physics—Study and teaching)

POPOV, P. I.

1/5
612.2
.58
1953

Obshchedostupnaya prakticheskaya astronomiya (Practical astronomy) Ixd.
3-E, isprav. i dop. Moskva, Gos. izd-vo Tekhniko-Teoreticheskoy Literatury, 1953.
171 p. illus., diagrs., tables.

POPOV, Pavel Il'ich.

The high-speed cutting of gray iron. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1949. 64 p. (Tekhnologiya mashinostroeniia; Stanki i obrabotka metallov rezaniem) (51-24499)

TJ1230.P6

POPOV, P. I.

Skorostnoe frezerovanie serogo chuguna. Moskva, Mashgiz, 1949. 64, (L) p. plates, diags. (Tekhnologiya mashinostroeniia; stanki i obrabotka metallov rezaniem)

Bibliography: P. (66)

High-speed milling of gray cast iron.

DLC: TJ1230, P6.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

POPOV, P. I.

28-1-15/42

AUTHOR: Popov, P. I., Engineer

TITLE: Preparation "M-1" (Preparat M-1)

PERIODICAL: Standartizatsiya, #1, Jan-Feb 1957, p 52 (USSR)

ABSTRACT: The "M-1" preparation is used to prevent budding in stored potatoes. It represents a mixture of alphanaphtolacetic acid methyl ether (α - $C_{10}H_7CH_2COOCH_3$) - in quantities of 3.8-3.2% - with fine-ground loam containing not more than 2% moisture. It is made in two grades which differ according to the color of the loam. The preparation is standardized by "ГОСТ 8140-56" which goes into effect on 1 January 1957. It is packed in 4 to 5-layer bituminous paper bags with a net weight of 35 kg or in 1-3 kg packages. Potatoes are dusted in layers of 10-12 cm by not over 3 kg of dust per ton of potatoes. The dust need not necessarily get on every potato. The stored potatoes are to be piled not over 100 cm high, which makes 8 to 10 layers to each dusting. The dust "M-1" has no toxic effects. It is destined for treatment of edible as well as industrial potatoes and is effective under various storage conditions.

AVAILABLE: Library of Congress
Card 1/1

POPOV, P.I., inzhener.

Preparation M-1. Standartizatsiia no.1:52 Ja-F '57. (MLRA 10:5)
(Seed potatoes--Storage)

Popov, P.I.
USSR/Chemical Technology - Chemical Products and Their I-9
Application. Wood Chemistry Products.. Hydrolysis Industry

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2672

Author : Popov, P.I.

Inst :

Title : Hydrolysis Ethyl Alcohol.

Orig Pub : Standartizatsiya, 1957, No 2, 67-68

Abstract : The necessity is pointed out to expand the production of hydrolysis alcohol. One ton of sawdust (45-50% moisture content) or wood chips replaces in the production of alcohol 0.3 ton of grain or 1 ton of potatoes. A new State Standard 8314-57 for hydrolysis alcohol has been promulgated.

Card 1/1

~~POPOV, P.I. inzhener.~~

Hydrolyzed ethyl alcohols. Standartizatsiya no.2:67-68 Mr-Ap '57.
(Ethyl alcohol--Standards) (MIRA 10:6)

PCPV, P-1-

f
1-Rm2

1-gum

19
MULTIPLE SCATTERING EFFECT IN CYLINDRICAL
SOURCES. E. E. Kowalev and V. I. Ponomarev, Inst. of Phys-
ics, Moscow (Zhur. Tekh. Fiz. 27, 1621, 1956)
July 1956 (in Russian)

Attempts were made to estimate the effects of self-
scattering on the yield of radiation along the cylindrical
source. (R.V.J.)

2408

Popov 3.1
ISMAGULOV, K.L. (Alma-Ata); POPOV, P.I. (Alma-Ata); KOMAROV, I.V. (Alma-Ata)

"Zero" runs. Put' i put. khoz. no.10:23-24 0 '57. (MLRA 10:11)

1. Nachal'nik distantsei (for Ismagulov). 2. Zamestitel' nachal'-
nika distantsei (for Popov). 3. Starshiy dorozhnyy master (for
Komarov).

(Railroads--Management)

POPOV, P. I., GIBVCHENKO, F. P., PAVLOV, L. V., PYLAYEV, S. A.

"Compilation of Photomaps of Relief Regions by Means of Photography of the Inverse Model of the Location"

Sb. ref. Tsentr. n-i. in-ta geod., aerofotogrammetrii i kartogr., No 1, 1954, 35-47

Continuation of work started by the authors in 1952, consisting in printing a single picture of the upper region, marking the π zone boundaries, cutting along these boundaries and gluing the cut parts together. This picture serves for the preparation of an inverse model, by leaving the upper zones down and lifting the lower regions. The photography of this model has a minimum of distortion for relief and is processed further by conventional methods. (RZhAstr, No 10, 1955)

SO: Sum-No 787, 12 Jan 56

BESSONOV, Ye.A.; POPOV, P.I.

Automatic system for measuring liquid levels. Priboroostroenie no.7:1-3
Jl '62. (MIRA 15:7)

(Liquid level indicators)

POPOV, P. I.

"Treatment of Haemosporidiosis of Horses with New Home-Made Preparations, Novoplasmin LP₄ and Sporoplasmin LP₃"

Dok. AN, 43, No. 3, 1944

Kazan Sci. Res. Vet. Inst. imeni N. E. Bauman

m

CIA-RDP86-00513R0013423

POPOV, P. I.

POPOV, P. I. (Professor, Department of Protozoology, Kazan Scientific Research Veterinary Institute). Concerning peroral application of novoplasmin.

So: Veterinariya; 23; 4; April 1946; Incl.
TABCON

POPOV, P. I., Prof.; ABDULLIN, M. G., EVDOKIMOV, V. A., Junior Co-workers
Department of Protozoology, Kazan Scientific Research Veterinary Inst.
"LP2 - a new chemotherapeutic agent in hemosporidiosis of horses."
SO: Vet. Zh (3) 1947, p. 23 (Tab Con)

CA

Popov, P.I.

17

The activity of novoplasmin solutions in ampuls. Novo-
plasmin preparations. P. I. Popov and M. G. Abdullin
(Inst. Vet. Education Research, Kazan). Veterinariya 24,
No. 4, 22 (1947); Chem. Zentr. (Russian Zone Ed.) 1948, II,
1323. — Novoplasmin preps. stored for almost 1 year as 1%
solns. in ampuls showed no loss in therapeutic value.
M. G. Moore

1951

"New in the treatment of horses in piroplasmosis"
Kazan. Tatgosizdat, 1951. 64 pages.
SO: Vet., May 1952, Unclassified.

107/6-22-7-4/25

Ukolov, O. I.
Results of the Competition for the Best Improving
Suggestion (Itogi kontursa na luchsheye racionalizatorskoye
predlozheniye)

predlozheniya) 1952, Nr 7, pp 17-21 (USSR)

Geodesy is a matter of the first importance for the best improvement of the national economy. In May 1959, the ordinary competition for the best improvement suggestion in the field of geodesy and cartographic work was held. The geodesic and cartographic production was organized by the Glavnoye upravleniye geodesii i kartografiy (MVD USSR (Main Administration of Geodesy and Cartography of the Ministry of Internal Affairs of the USSR)), cartographic services, 8 cartographic institutes of the USSR), 7 cartographic services, 8 cartographic institutes and MECH took part. A total of 30 topographic-geodesic and 31 cartographic suggestions were submitted. The V. V. Gerasov of the V. A. Khorosov Cartographic Institute of the MECH was awarded 1,000 rubles for the best cartographic suggestion for the improvement of the production of topographic-geodesic maps (using Atlas blocks).

(invented by V. M. Vartuglin) for the "Seamless Fastening Plant")
The 2nd prizes of 750 rubles were awarded to: 1) Ye.
Brakalavskiy, V. M. Vartuglin, Yu. N. Galitskiy, G. P. Shumilov
for "Technology of the Use of Standard
Fasteners"; 2) Ye. A. Gerasimovich, V. M. Vartuglin,
Yu. N. Galitskiy.

[illegible]

card 1/6

L 25513-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)
ACC NR: AR6008996

SOURCE CODE: UR/0271/65/000/010/A066/A066

AUTHOR: Popov, P. I.; Slivitskiy, B. A.

TITLE: Monitoring the correct operation of automatic control systems

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 10A513

REF SOURCE: Sb. Nekotoryye vopr. nadezhnosti elementov i sistem avtomatiki. M., 1964, 47-52

TOPIC TAGS: automatic control system, error measurement, automatic control design, test monitoring

ABSTRACT: The authors consider several methods for monitoring the correct operation of automatic systems. For automatic control systems operating on the principle of eliminating the error signal, an unbalanced relay is described, connected to the input of the actuating element. The relay operates whenever the error signal exceeds a certain value in either direction. A block diagram of an automatic system using this method of monitoring the correct operation is described, based on the use of a limited working signal from a pickup when the regulated parameters do not deviate from the specified value. Variants of the block diagram are proposed such as to ensure stabilization of the limitation level and of the gain of the amplifier in order to maintain the static and the dynamic accuracy of the system. 4 illustrations. Bibliography of 2 titles. L. Sh. [Translation of abstract]

SUB CODE: 13

UDC: 620.179.1: 621.372

Card 1/1

PB

ACC NR: AP6021713
 SOURCE CODE: UR/0130/66/000/003/0027/0028

AC: FOR: Monid, A. G.; Benyakovskiy, M. A.; Smolyarenko, D. A.; Sivtsov, G. V.;
 Tkachenko, E. V.; D'yakonova, V. S.; Popov, P. I.; Pakudin, V. P.; Shirinskaya, S. A.;
 Sosipatrov, V. I.

ORG: none

TITLE: Production testing of 08Yu cold rolled low carbon steel

SOURCE: Metallurg, no. 3, 1966, 27-28

TOPIC TAGS: low carbon steel, deoxidation, cold rolling, quality control / 08Yu steel

ABSTRACT: Production testing was carried out on nonaging 08Yu steel sheets at the Cherepovetsky Metallurgical Plant and the results were compared to the norms set by GOST 9045-59. Melting was carried out in single-grooved Martens furnaces of average capacity; deoxidation by ferromanganese was done in steps--50% in the furnace and 50% in the ladle; Al was also introduced in the ladle in quantities of 100-150 g/T of steel while full deoxidation was accomplished by the addition of Al pellets in quantities of 900-1000 g/T. The chemical composition of 08Yu steel compared favorably with the standards set by GOST 9045-59 (experimentally--C=0.04-0.08%, Si=0.01%, Mn=0.32-0.38%, S=0.009-0.016%, P=0.01-0.03%, Ni=0.03-0.07%, Cu=0.02-0.07% and Al=0.02-0.05%). Ingots weighing 14T were hot rolled in 15-18 passes into slabs of

UDC: 621.771.24

Card 1/2

L 39980-66

ACC NR: AP6021713

3

135-140 mm thickness and 1070-1430 mm width on a 1150 bloom. These slabs were next cold rolled to a maximum of 68% reduction into sheets of 2.5-3.5 mm thickness and 1040-1430 mm width. Annealing was done at 550°C for 10 hrs at a heating rate of 15°/hr and cooling was at 6°/hr. The final operation was a finishing pass at 1.0-1.3% reduction. Tests made on the sheets after aging at 200°C for 30 min substantiated that the steel was nonaging. The sheets performed well in stamping tests which were run under the stamping conditions used at the Gor'ky Automotive Plant. Orig. art. has: 1 table.

SUB CODE: 11,14/

SUBM DATE: none

Card 2/2 5

L 10021-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) BB/GG
 ACC NR: AP6023612 SOURCE CODE: UR/0105/66/000/007/0052/0055

AUTHOR: Borisov, B. K. (Moscow); Popov, P. I. (Moscow)

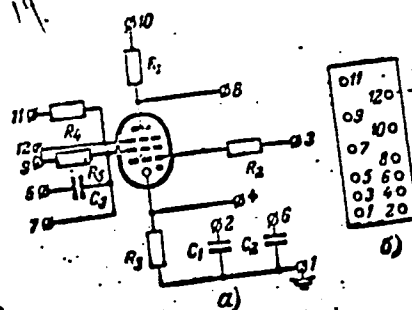
ORG: none

TITLE: Universal module for constructing logic units in automatic control systems

SOURCE: Elektrichestvo, no. 7, 1966, 52-55

TOPIC TAGS: logic design, logic element, automatic control system

ABSTRACT: To enhance the reliability of automatic control systems, a universal module based on a Soviet-made TCh8G cold-cathode tube is suggested. By making suitable connections to such a module (see figure) two dozen logic functions are obtainable. All components are embedded in a plastic which can operate in the $-60+90^{\circ}\text{C}$ interval; the tube glow is



UDC: 62-523.8

Card 1/2

L 10021-67

ACC NR: AP6023612

visible through the plastic. The use of the module in the AND-gate, OR-gate, memory, etc., is illustrated. Module data: anode voltage, 300 v; anode current, 1 ma; input signal, 120 v; output signal, 160 v; control-pulse duration, 60 μ sec; minimum input, 40 μ w; minimum output, 0.16 w; weight, 27 g. Orig. art. has: 10 figures and 6 formulas.

SUB CODE: 09 / SUBM DATE: 29Jun65 / ORIG REF: 003

L 07259-67 EWT(d)/EWT(m)/EWP(f)/EWP(c)/EWP(v)/EWP(k)/EWP(h)/EWP(l) GD
 ACC NR: AT6025314 SOURCE CODE: UR/0000/66/000/001/0130/0133

AUTHOR: Panin, V. V.; Popov, P. I.

ORG: none

TITLE: The three-operation problem and its application to mass servicing

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Upravleniye yadernymi energeticheskimi ustanovkami (Control of nuclear power plants), no. 1. Moscow Atomizdat, 1966, 130-133

TOPIC TAGS: operations research, servicing technique, minimization, *PRODUCTION ENGINEERING*

ABSTRACT: The authors deal with a technological process consisting in the finishing of n articles at three different operating places. At a given instant of time, one and only one article can be processed at a given working place. Each article is assumed to pass through the three working places in a strictly defined sequence. The times that the given article is worked on in the three different places is different. The question is to determine the sequence of processing n articles in such a way as to perform the complete operation with minimum time. Expression for the total time are given for various relations between the operation times and the problem is reduced to a minimax equation in matrix form. An inequality for satisfaction of the minimax condition is derived, after which the optimal sequence can be determined by

Card 1/2

L 07259-67

ACC NR: AT6025314

constructing a proper graph and finding the Hamiltonian path through it. Orig. art.
has: 1 figure and 7 formulas

SUB CODE: 13,12/ SUBM DATE: 27Dec65/ ORIG REF: 000/ OTH REF: 001/

plant scheduling 14/

Card 2/2 *pld*

L 8333-66 EEC(k)-2/EWA(h)/EWT(1)

ACC NR: AP5025763

SOURCE CODE: UR/0286/65/000/018/0130/0131

AUTHORS: Bogdanov, Yu. V.; Kislova, V. F.; Molchanov, V. N.; Abramtsev, Ye. P.;
Shishorin, V. A.; Popov, P. I.; Nikiforov, A. F.

ORG: none

TITLE: A discrete contactless phase-sensitive pickup. Class 74, No. 174962
[announced by Kuznetsk Scientific Research Coal Institute (Kuznetskiy nauchno-
issledovatel'skiy ugol'nyy institut)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 130-131

TOPIC TAGS: phase meter, magnetic circuit, magnet

ABSTRACT: This Author Certificate presents a discrete contactless phase-sensitive pickup consisting of a fixed toothed magnetic circuit with control windings and a moving magnetic circuit without windings. In order to simplify the pickup and to obtain an unambiguous signal pickup, two readout windings are situated on two external teeth of the fixed magnetic circuit (see Fig. 1). The moving magnetic circuit, which is connected to the moving object, is equipped with one readout tooth.

UDC: 621.083.8:62-503.83

Cord 1/2

L 8333-66

ACC NR: AP5025763

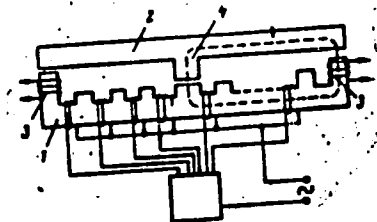


Fig. 1. 1 - Fixed toothed magnetic circuit;
2 - moving magnetic circuit;
3 - readout windings;
4 - readout tooth.

Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 07Jul64

jw

Cord 2/2

POPOV, P.I. (Moskva)

Astronomic observations in schools during the 1963-1964 school
year. Fiz. v shkole 23 no.3:44-49 My-Je '63. (MIRA 16:12)

PAVLOVSKIY, Ye.N., otv.red.; VASNETSOV, N.A., prof., red.; VERESHCHAGIN, M.N.,
prof., red.; MINKIN, T.S., prof., red.; POPOV, P.I., prof., red.;
STUDENTSOV, A.P., prof., red.; CHAGIN, V.G., prof., red.;
SABIN, I.M., dotsent, red.; TANYASHIN, I.F., dotsent, red.;
BORISOVICH, F.K., red.; SOKOLOVA, N.N., tekhn.red.; PEVZNER, V.I.,
tekhn.red.

[The N.E.Bauman State Veterinary Institute in Kazan (1873-1953);
materials on the history of veterinary education in the U.S.S.R.]
Kazanskii gosudarstvennyi veterinarnyi institut imeni N.E.Baumana
(1873-1953); materialy k istorii veterinarnogo obrazovaniya v SSSR.
Moskva, Sel'khozgiz, 1956. 182 p. (Kazan, Veterinarnyi institut.
Uchenye zapiski, vol.63). (MIRA 16:8)
(Kazan--Veterinary colleges)

87
S/803/62/000/003/004/012
D201/D308

AUTHORS: Popov, P.I., Terent'yev, V.G. and Filipchuk, Ye.V.

TITLE: Some methods of increasing the reliability of electron tube amplifiers

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Avtomatika i telemekhanika, no. 3, 1962. Sistemy upravleniya yadevnyimi energeticheskimi ustanovkami, 26-34

TEXT: The authors analyze the following methods: 1) Parallel connection of the main and the standby amplifier, the latter being connected via a summing device utilizing negative feedback. 2) Standby amplifier switching by means of an anode load impedance, applicable to power amplifiers or oscillators with tungsten filaments. 3) A special circuit excluding the variation of gain and load current in the case of failure of heater circuit. Gain variations (with respect to normal gain) and design criteria are discussed. There are 6 figures.

Card 1/1

POPOV, P.I.; TERENT'YEV, V.G.

Increase in the reliability of a protection system in the
presence of noise. Avtom.i telem.; sbor.st. no.3:22-25 '62.
(MIRA 16:2)

(Nuclear reactors)

(Automatic control)

POPOV, P.I.; TERENT'YEV, V.G.; FILIPCHUK, Ye.V.

Some methods for increasing the reliability of electronic
amplifiers. Avtom. i telem.; sbor.st. no.3:26-34 '62.
(MIRA 16:2)
(Amplifiers, Electron-tube)

POPOV, P.I.; TERENT'YEV, V.G.

Reliability of some circuits for the lead-in of reserve
devices. Avtom. i telem.; sbor.st. no. 3:39-43 '62. (MIRA 16:2)

(Electric networks)
(Electronic apparatus and appliances)

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